

SEQUENCE LISTING

<110> YAN, Chunhua and KE, Zhaoxi

<120> ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
THEREOF

<130> CL001313

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1338

<212> DNA

<213> Homo sapiens

<400> 1

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<212> PRT

<213> Homo sapiens

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35 40 45
Leu Asn Asp Phe Ile Gln Lys Ile Ala Asn Asn Ser Tyr Ala Cys Lys
50 55 60
His Pro Glu Val Gln Ser Ile Leu Lys Ile Ser Gln Pro Gln Glu Pro
65 70 75 80
Glu Leu Met Asn Ala Asn Pro Ser Pro Pro Pro Ser Pro Ser Gln Gln
85 90 95
Ile Asn Leu Gly Pro Ser Ser Asn Pro His Ala Lys Pro Ser Asp Phe
100 105 110
His Phe Leu Lys Val Ile Gly Lys Gly Ser Phe Gly Lys Val Leu Leu
115 120 125
Ala Arg His Lys Ala Glu Glu Val Phe Tyr Ala Val Lys Val Leu Gln
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Lys Lys Ala Ile Leu Lys Lys Lys Glu Glu Lys His Ile Met Ser Glu
145 150 155 160
Arg Asn Val Leu Leu Lys Asn Val Lys His Pro Phe Leu Val Gly Leu
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His Phe Ser Phe Gln Thr Ala Asp Lys Leu Tyr Phe Val Leu Asp Tyr
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Ile Asn Gly Gly Glu Leu Phe Tyr His Leu Gln Arg Glu Arg Cys Phe
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Leu Glu Pro Arg Ala Arg Phe Tyr Ala Ala Glu Ile Ala Ser Ala Leu
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Gly Tyr Leu His Ser Leu Asn Ile Val Tyr Arg Asp Leu Lys Pro Glu
225 230 235 240
Asn Ile Leu Leu Asp Ser Gln Gly His Ile Val Leu Thr Asp Phe Gly
245 250 255
Leu Cys Lys Glu Asn Ile Glu His Asn Ser Thr Thr Ser Thr Phe Cys
260 265 270
Gly Thr Pro Glu Tyr Leu Ala Pro Glu Val Leu His Lys Gln Pro Tyr
275 280 285
Asp Arg Thr Val Asp Trp Trp Cys Leu Gly Ala Val Leu Tyr Glu Met
290 295 300
Leu Tyr Gly Leu Pro Pro Phe Tyr Ser Arg Asn Thr Ala Glu Met Tyr
305 310 315 320
Asp Asn Ile Leu Asn Lys Pro Leu Gln Leu Lys Pro Asn Ile Thr Asn
325 330 335
Ser Ala Arg His Leu Leu Glu Gly Leu Leu Gln Lys Asp Arg Thr Lys
340 345 350
Arg Leu Gly Ala Lys Asp Asp Phe Met Glu Ile Lys Ser His Val Phe
355 360 365
Phe Ser Leu Ile Asn Trp Asp Asp Leu Ile Asn Lys Lys Ile Thr Pro
370 375 380

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Asp	Ser	Val	Leu	Val	Thr	Ala	Ser	Val	Lys	Glu	Ala	Ala	Glu	Ala	Phe
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<210> 3
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 <212> DNA
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<400> 3

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at ttgctctc	tcaagaggga	aaggaaccag	gtgggagcag	agctaggctg	ggctaggcta	420
g ttgaatggt	gggacatgac	atacgggtgg	cactggcaat	aacaaagtca	cattctatga	480
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tattttcagt	agagacgggg	tttcaccatg	ttagccagga	tggtctcgat	ctcttgacct	840
cgtgatccgc	ccgccttggc	ctcccaaagt	gctgggatta	caggcgtgag	ccactgcgcc	900
cggccccagt	aaatgctttt	tataagtgtg	ggcactgagc	aaactttccc	agccagactc	960
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<210> 4
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 <212> PRT
 <213> Homo sapiens

<400> 4

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			20				25					30			
Ile	Leu	Lys	Ile	Ser	Gln	Pro	Gln	Glu	Pro	Glu	Leu	Met	Asn	Ala	Asn
		35					40					45			
Pro	Ser	Pro	Pro	Pro	Ser	Pro	Ser	Gln	Gln	Ile	Asn	Leu	Gly	Pro	Ser
	50					55					60				
Ser	Asn	Pro	His	Ala	Lys	Pro	Ser	Asp	Phe	His	Phe	Leu	Lys	Val	Ile
65					70					75					80
Gly	Lys	Gly	Ser	Phe	Gly	Lys	Val	Leu	Leu	Ala	Arg	His	Lys	Ala	Glu
				85					90					95	
Glu	Val	Phe	Tyr	Ala	Val	Lys	Val	Leu	Gln	Lys	Lys	Ala	Ile	Leu	Lys
				100					105					110	
Lys	Lys	Glu	Glu	Lys	His	Ile	Met	Ser	Glu	Arg	Asn	Val	Leu	Leu	Lys
		115					120					125			
Asn	Val	Lys	His	Pro	Phe	Leu	Val	Gly	Leu	His	Phe	Ser	Phe	Gln	Thr
	130					135					140				
Ala	Asp	Lys	Leu	Tyr	Phe	Val	Leu	Asp	Tyr	Ile	Asn	Gly	Gly	Glu	Leu
145					150					155					160
Phe	Tyr	His	Leu	Gln	Arg	Glu	Arg	Cys	Phe	Leu	Glu	Pro	Arg	Ala	Arg
				165					170					175	
Phe	Tyr	Ala	Ala	Glu	Ile	Ala	Ser	Ala	Leu	Gly	Tyr	Leu	His	Ser	Leu
			180					185					190		
Asn	Ile	Val	Tyr	Arg	Asp	Leu	Lys	Pro	Glu	Asn	Ile	Leu	Leu	Asp	Ser
		195					200					205			
Gln	Gly	His	Ile	Val	Leu	Thr	Asp	Phe	Gly	Leu	Cys	Lys	Glu	Asn	Ile
	210					215					220				
Glu	His	Asn	Ser	Thr	Thr	Ser	Thr	Phe	Cys	Gly	Thr	Pro	Glu	Tyr	Leu
225					230					235					240
Ala	Pro	Glu	Val	Leu	His	Lys	Gln	Pro	Tyr	Asp	Arg	Thr	Val	Asp	Trp
				245					250					255	
Trp	Cys	Leu	Gly	Ala	Val	Leu	Tyr	Glu	Met	Leu	Tyr	Gly	Leu	Pro	Pro
		260						265					270		
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		275					280					285			
Pro	Leu	Gln	Leu	Lys	Pro	Asn	Ile	Thr	Asn	Ser	Ala	Arg	His	Leu	Leu
	290					295					300				
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305					310					315					320
Asp	Phe	Met	Glu	Ile	Lys	Ser	His	Val	Phe	Phe	Ser	Leu	Ile	Asn	Trp
				325					330					335	
Asp	Asp	Leu	Ile	Asn	Lys	Lys	Ile	Thr	Pro	Pro	Phe	Asn	Pro	Asn	Val
			340					345					350		

The musical score for 'The Rose Tree' is presented in two systems. The first system includes a vocal line (Soprano) and a piano accompaniment. The vocal line begins with a treble clef and a key signature of one flat (B-flat). The piano accompaniment starts with a bass clef and a key signature of one flat. The second system continues the vocal line and piano accompaniment. The vocal line ends with a double bar line. The piano accompaniment continues with a double bar line. The score is written in a standard musical notation style, with notes, rests, and bar lines clearly visible.